DETAILED ACTION

1.   Claims 61-64, 66, 67, 69-74, 76-79, 81-89, 91, 92, 94-100,102-125 are pending

in the application. By this examiner's amendment, claims 119-125 are cancelled, claims

61, 76, 91, 104, 117 and 118 are amended and new Claims 126 – 131 are added.

EXAMINER'S AMENDMENT

2.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

         Authorization for this examiner's amendment was given in a telephone interview

with Henry Gabryjelski (Reg. No. 62,828) on July 22, 2009. During the telephone

interview, examiner indicated that the independent claims would be allowable if

amended to include the "interface pointer identifier". In addition, claims 117 and 118

should be amended to positively recite hardware.

         The application has been amended as follows:

a.   Cancel Claims **119-125**;

b.   Amend Claims **61, 76, 91, 104, 117 and 118** according to the following

and add new Claims **126 - 131**:

Claim 61. A method of communication between a first object located on a first computer and a second object located on a second computer, the first and second computers connected by a network, the method comprising:

calling an interface of the second object by the first object on the first computer, and wherein the calling the interface of the second object by the first object comprises (a) bypassing a mechanism, the bypassed mechanism comprising adding a remote procedure call (RPC) interface identifier (IID) of the second object to the call, and (b) adding an ~~alternative identifier~~ interface pointer identifier (IPID) to the call;

performing RPC utility functions on the call at the first computer; and

communicating the call to the second computer, wherein the second computer:

receives the call;

performs RPC utility functions on the call;

determines if the call includes the IPID ~~alternative identifier~~;

if the call does not include the IPID ~~alternative identifier~~, calls an RPC dispatching function;

if the call does include the IPID ~~alternative identifier~~, calls an alternative dispatching function based on the IPID ~~alternative identifier~~, bypassing the RPC dispatching function;

invokes a stub; and

accesses the interface of the second object identified by the IPID ~~alternative identifier~~.

Claim 76.   One or more computer-readable medium having computer-executable instructions to enable communications between a first object located on a first computer and a second object located on a second computer, the first and second computers connected by a network, the computer-executable instructions performing steps comprising:

calling an interface of the second object by the first object on the first computer, wherein the computer-executable instructions for calling the interface of the second object by the first object comprise (a) computer-executable instructions for bypassing computer executable instructions, the bypassed computer-executable instructions comprising adding a remote procedure call (RPC) interface identifier (IID) of the second object to the call, and (b) adding an ~~alternative identifier~~ interface pointer identifier (IPID) to the call;

performing RPC utility functions on the call at the first computer; and

communicating the call to the second computer, wherein the second computer:

receives the call~~,~~;

performs RPC utility functions on the call~~,~~;

determines if the call includes the IPID ~~alternative identifier~~;

if the call does not include the IPID ~~alternative identifier~~, calls an RPC dispatching function;

if the call does include the <u>IPID</u> <s>alternative identifier</s>, calls an

alternative dispatching function based on the <u>IPID</u> <s>alternative identifier</s>,

bypassing the RPC dispatching function;

invokes a stub; and

accesses the interface of the second object identified by the <u>IPID</u>

<s>alternative identifier</s>.

Claim 91.   A method of communication between a first object located on a first computer and a second object located on a second computer, the first and second computers connected by a network, the method comprising:

receiving, at the second computer, a call to an interface of the second object from the first object on the first computer;

performing remote procedure call (RPC) utility functions on the received call, wherein the RPC utility functions are performed on the received call by a RPC utility layer, the RPC utility layer comprising a pointer to an alternative dispatching function, wherein the pointer allows the call to be passed directly to the dispatching layer;

determining the call does not contain an RPC interface identifier (IID) but does contain an interface pointer identifier (IPID);

passing the received call to the alternative dispatching function so as to bypass a RPC dispatching function, wherein the bypassed RPC dispatching function would have otherwise been called if the RPC IID IPID was not contained in the call;

invoking a stub; and

accessing the interface of the second object.

Claim 104.   One or more computer-readable medium having computer-

executable instructions to enable communications between a first object located on a

first computer and a second object located on a second computer, the first and second

computers connected by a network, the computer-executable instructions performing

steps comprising:

receiving, at the second computer, a call to an interface of the second object

from the first object on the first computer;

performing remote procedure call (RPC) utility functions on the received call,

wherein the computer-executable instructions for performing RPC utility functions on the

received call comprise a pointer to the dispatching function, wherein the pointer allows

the call to be passed directly to the dispatching layer;

determining the call does not contain an RPC interface identifier (IID) but does

contain an interface pointer identifier (IPID);

passing the received call to a dispatching function so as to bypass a RPC

dispatching function, wherein the bypassed RPC dispatching function would have

otherwise been called if the ~~RPC IID~~ IPID was not contained in the call;

invoking a stub; and

accessing the interface of the second object.

Claim 117.   A computing device comprising:

a processor;

an object, the object comprising an interface that is called by a second object on a second computing device;

a network connection, wherein the network connection communicationally connects the computing device to the second computing device;

a remote procedure call (RPC) utility layer, wherein the RPC utility layer (a) determines whether the call contains an RPC interface identifier (IID), (b) performs RPC utility functions on the interface call by the second object, and (c) passes the interface call to a dispatching function, the dispatching function being a RPC dispatching function when the call contains an RPC IID, and an alternative dispatching function when the call does not contain an RPC IID but does contain an interface pointer identifier (IPID), and wherein the RPC utility layer comprises a pointer to the alternative dispatching function, wherein the pointer allows the call to be passed directly to the alternative dispatching function; and

a dispatching layer comprising the alternative dispatching function, wherein the dispatching layer invokes a stub and accesses the interface.

Claim 118.   A computing device comprising:

a processor;

an object, the object calling an interface of a second object on a second

computing device;

a remote procedure call utility layer, wherein the remote procedure call utility

layer performs remote procedure call utility functions on the call;

a bypass of a mechanism, the mechanism comprising adding a remote

procedure call (RPC) interface identifier (IID) to the call; and

a network connection, wherein the network connection communicates the call to

the second computing device, and wherein further the second computing device

receives the call, performs RPC utility functions on the call, determines whether the call

contains the RPC IID, when the call contains the RPC IID, passes the call to a RPC

dispatching function, when the call does not contain the RPC IID but does contain an

interface pointer identifier (IPID), passes the call to an alternative dispatching function

so as to bypass the RPC dispatching function, invokes a stub, and accesses the

interface of the second object.

Claim 126.   The method of claim 61, wherein the IPID is according to the

DCOM object model.

Claim 127. The one or more computer readable medium of claim 76, wherein the IPID is according to the DCOM object model.

Claim 128. The method of claim 91, wherein the IPID is according to the DCOM object model.

Claim 129. The one or more computer readable medium of claim 104, wherein the IPID is according to the DCOM object model.

Claim 130. The computing device of claim 117, wherein the IPID is according to the DCOM object model.

Claim 131. The computing device of claim 118, wherein the IPID is according to the DCOM object model.

CONTACT INFORMATION

2.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to LI B. ZHEN whose telephone number is (571)272-3768. The examiner can normally be reached on Mon - Fri, 8:30am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung Sub Sough can be reached on 571-272-6799. The fax phone

number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Li B. Zhen/
Primary Examiner, Art Unit 2194